



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

One loop integrand from generalized scattering equation
(Zoom Seminar)

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Zoom link shall be shared separately



Generalized bi-adjoint scalar amplitudes, obtained from integrations over moduli space of punctured CP^{k-1} , are novel extensions of the CHY formalism. These amplitudes have realizations in terms of Grassmannian cluster algebras, $Gr(k,n)$. In this work we find a connection between $(k=3, n=6)$ amplitude and one-loop integrand of four-point amplitude in bi-adjoint ϕ^3 theory.

This talk is based on 2012.10916.